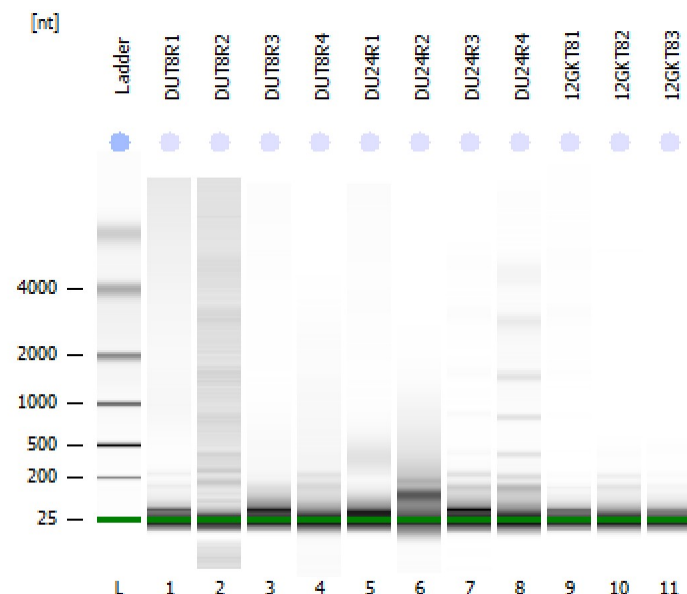


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

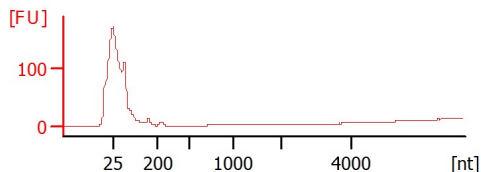
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

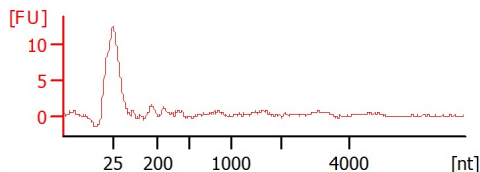
DUT8R1

RIN: 2.60



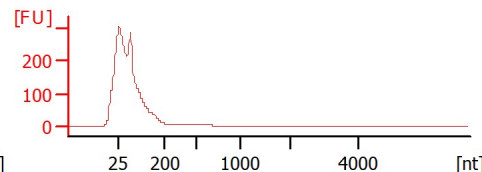
DUT8R2

RIN: 2.50



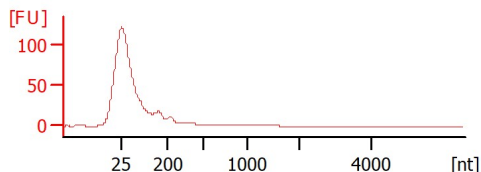
DUT8R3

RIN: 2.60



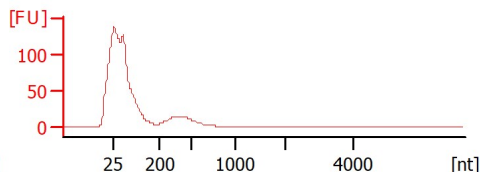
DUT8R4

RIN: 1.50



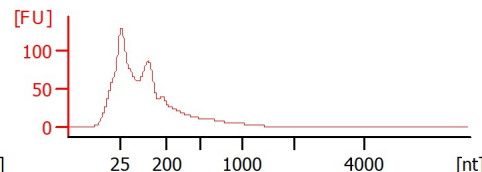
DU24R1

RIN: 2.40



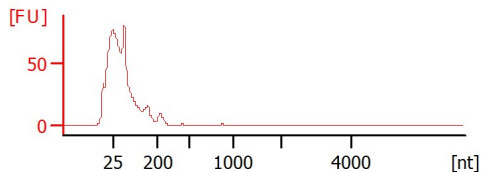
DU24R2

RIN: 2.40



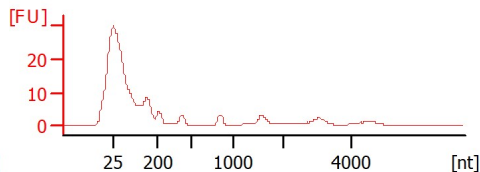
DU24R3

RIN: 2.60



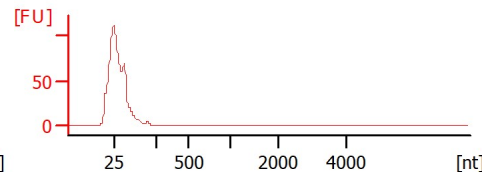
DU24R4

RIN: 4.60



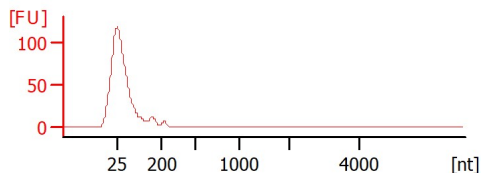
12GKT81

RIN: 2.70



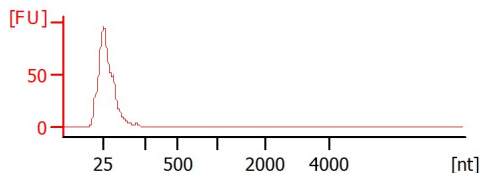
12GKT82

RIN: 1.20



12GKT83

RIN: 1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
 Modified: 8/15/2025 11:46:53 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DUT8R1		✓	RIN: 2.60	
DUT8R2		✓	RIN: 2.50	
DUT8R3		✓	RIN: 2.60	
DUT8R4		✓	RIN: 1.50	
DU24R1		✓	RIN: 2.40	
DU24R2		✓	RIN: 2.40	
DU24R3		✓	RIN: 2.60	
DU24R4		✓	RIN: 4.60	
12GKT81		✓	RIN: 2.70	
12GKT82		✓	RIN: 1.20	
12GKT83		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

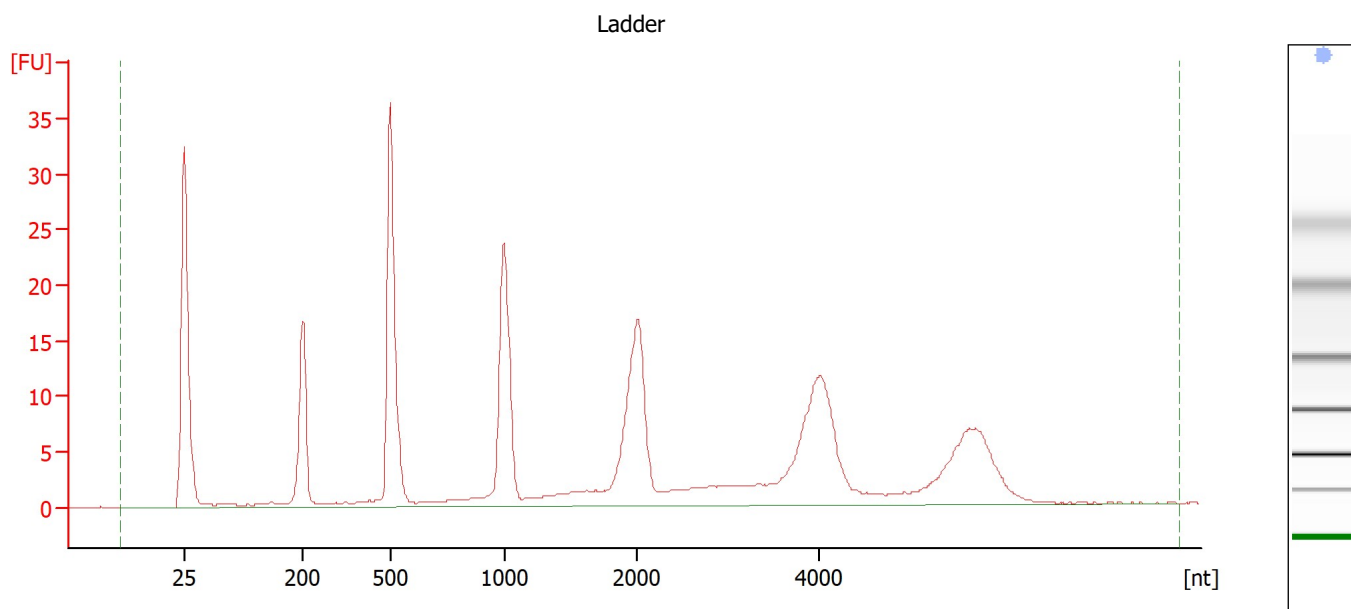
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary



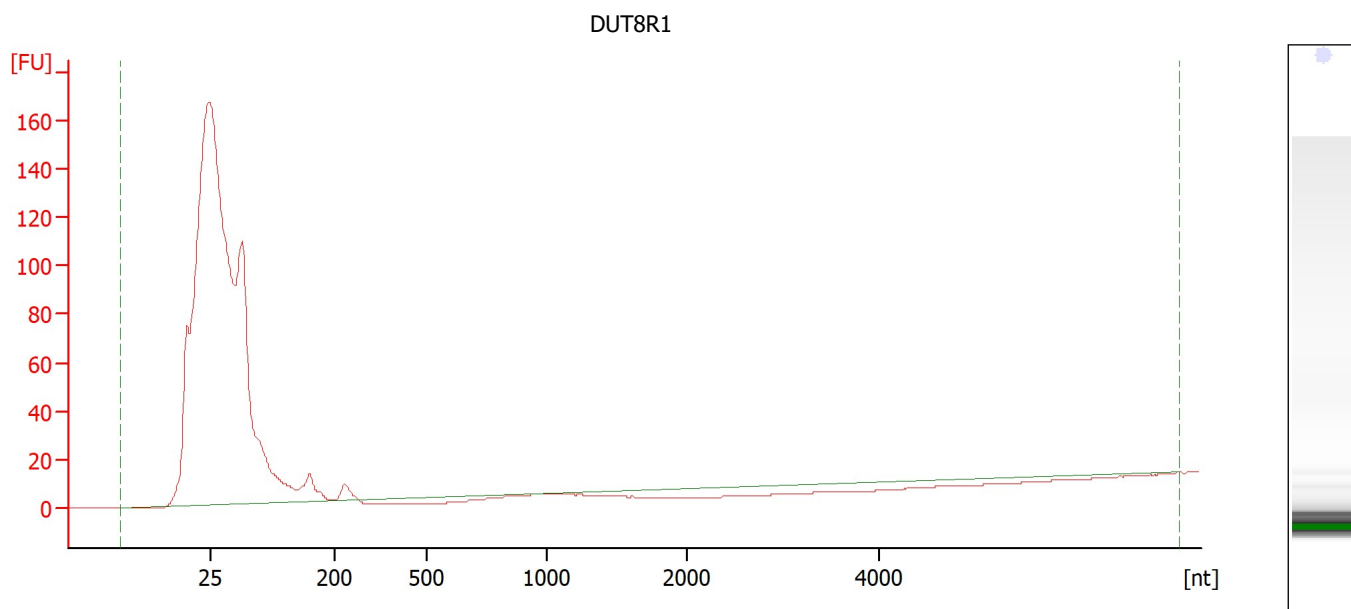
Overall Results for Ladder

RNA Area:	265.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



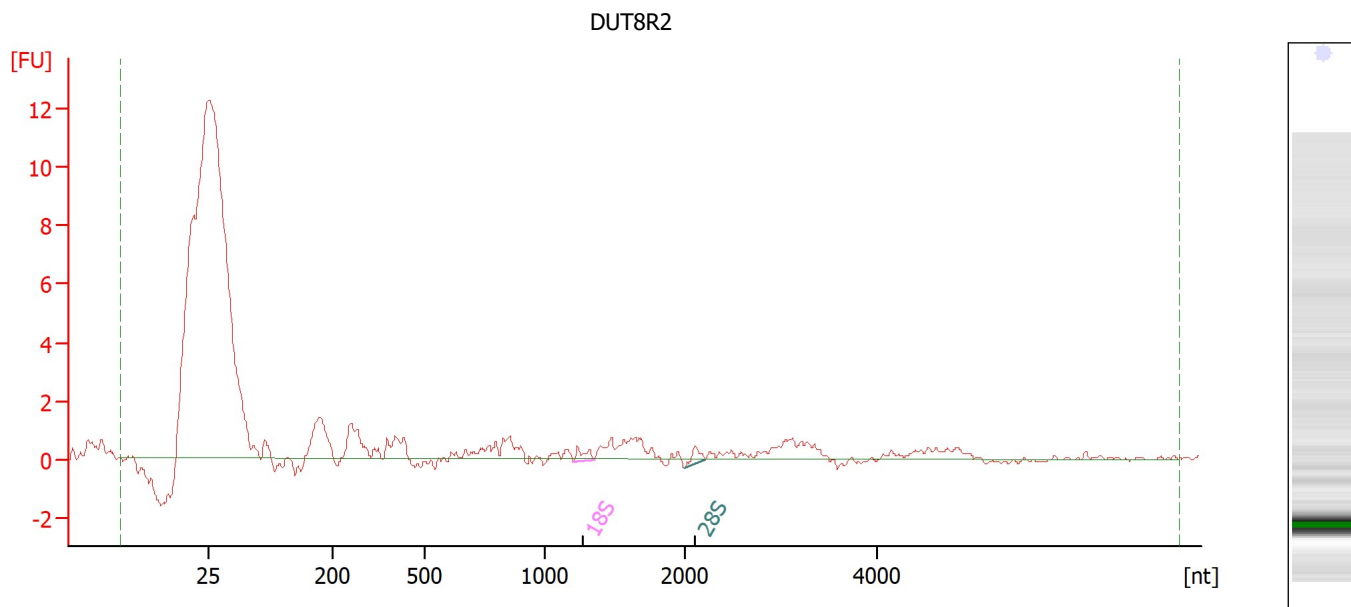
Overall Results for sample 1 : DUT8R1

RNA Area:	412.3	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,555 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DUT8R2

RNA Area:	22.6	RNA Integrity Number (RIN):	2.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	85 pg/μl		
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.50

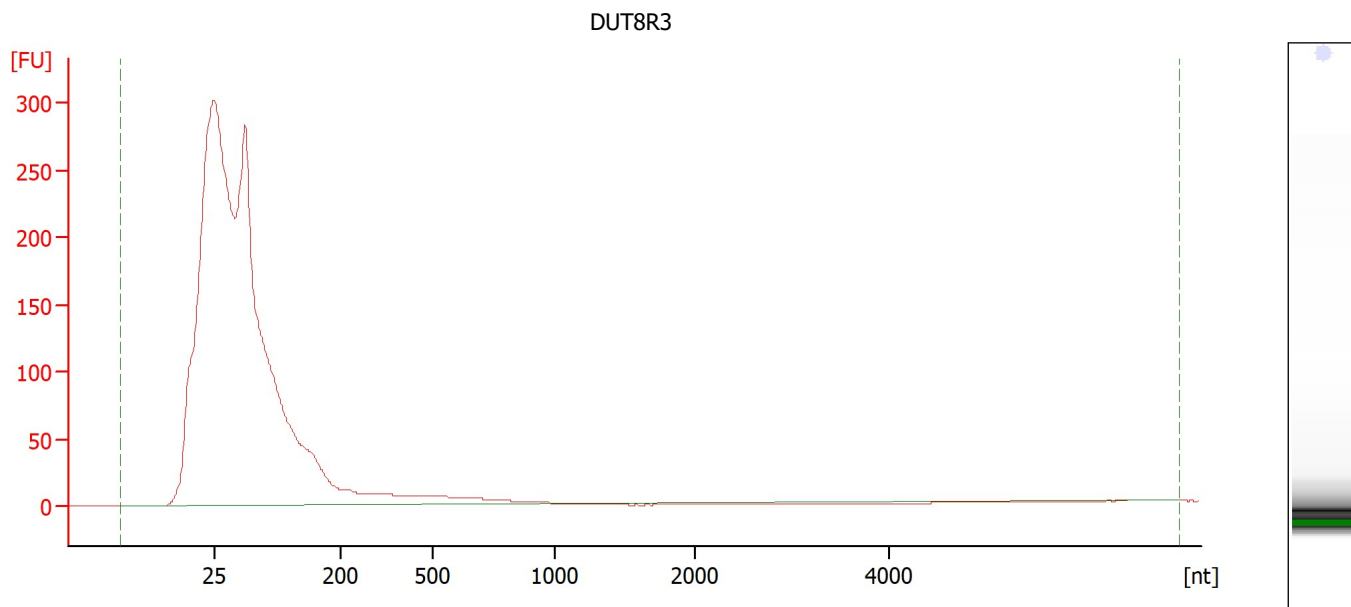
Fragment table for sample 2 : DUT8R2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,196	1,350	0.6	2.6
28S	2,003	2,214	0.5	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



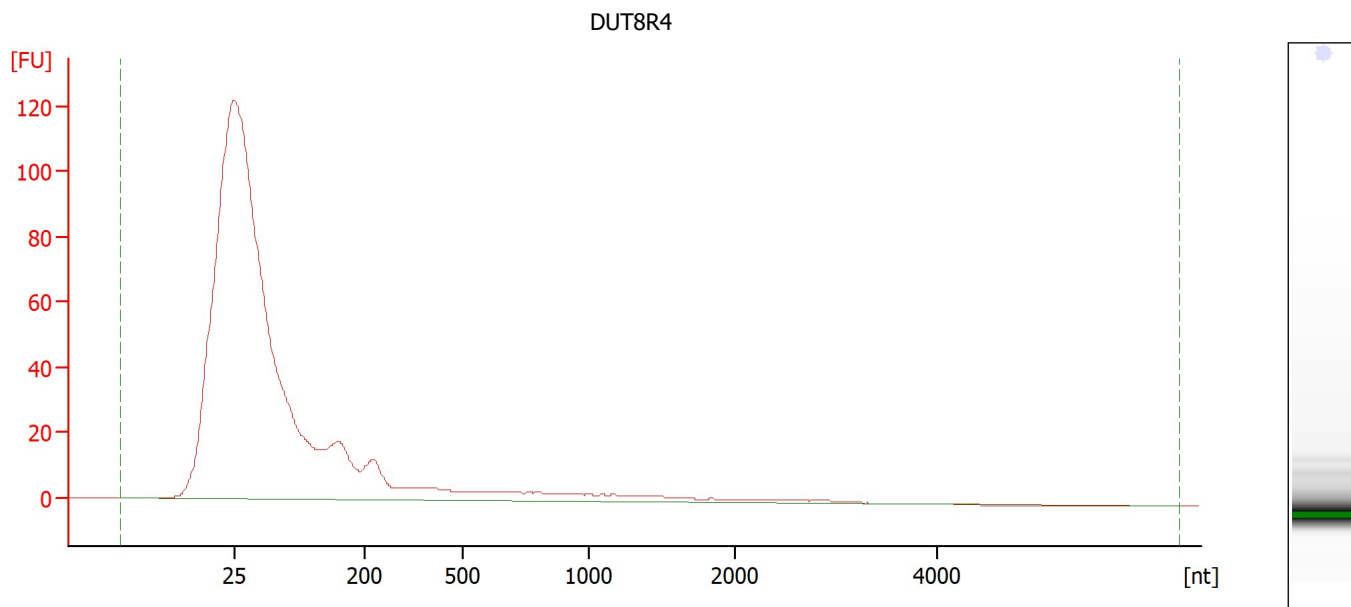
Overall Results for sample 3 : DUT8R3

RNA Area:	1,878.1	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	7,083 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



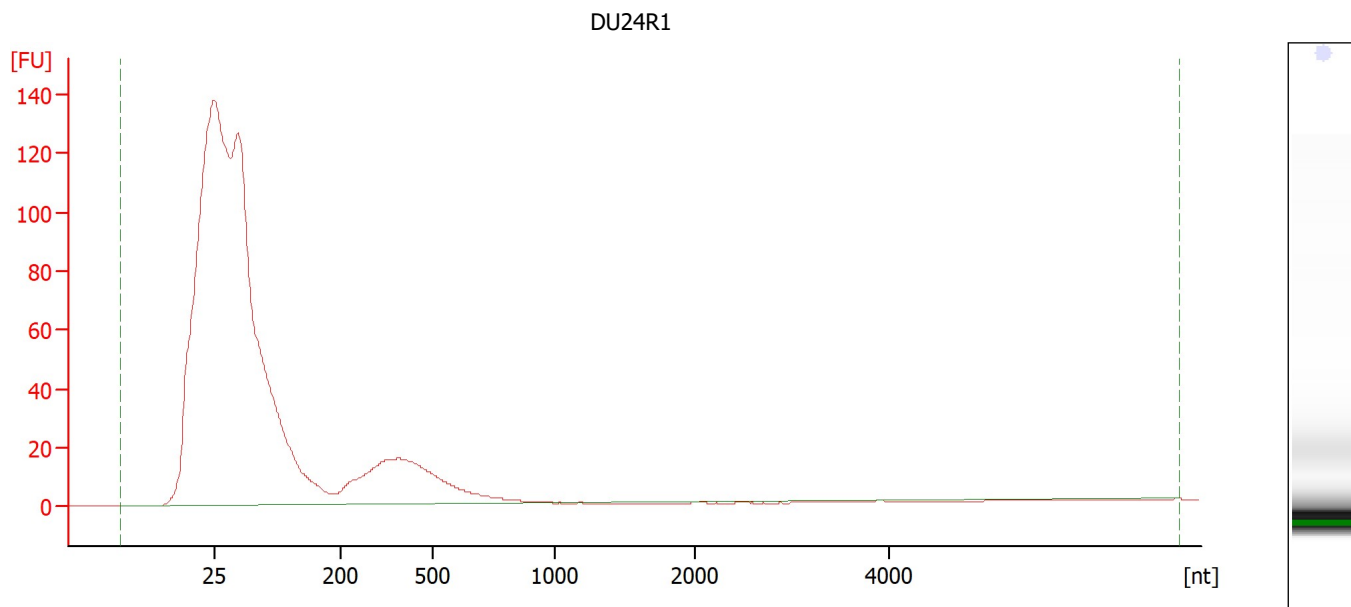
Overall Results for sample 4 : DUT8R4

RNA Area:	242.1	RNA Integrity Number (RIN):	1.5 (B.02.10)
RNA Concentration:	913 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



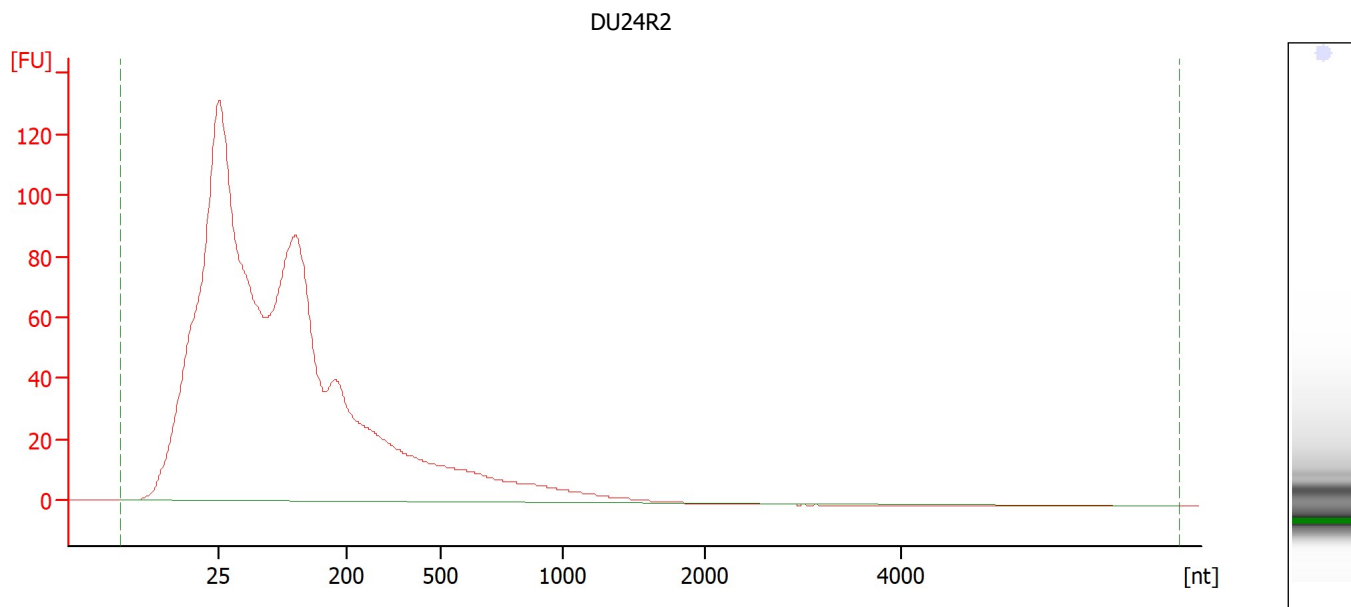
Overall Results for sample 5 : DU24R1

RNA Area:	988.7	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	3,729 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



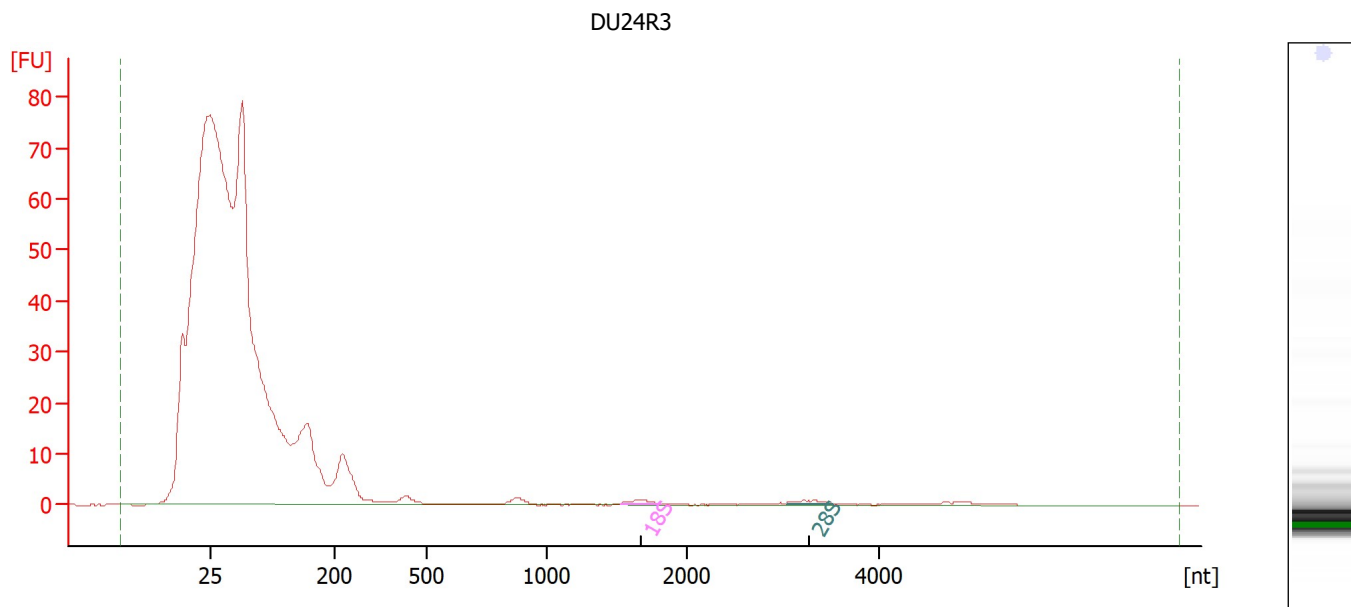
Overall Results for sample 6 : DU24R2

RNA Area:	1,187.0	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	4,477 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DU24R3

RNA Area:	484.6	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,828 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 2.60

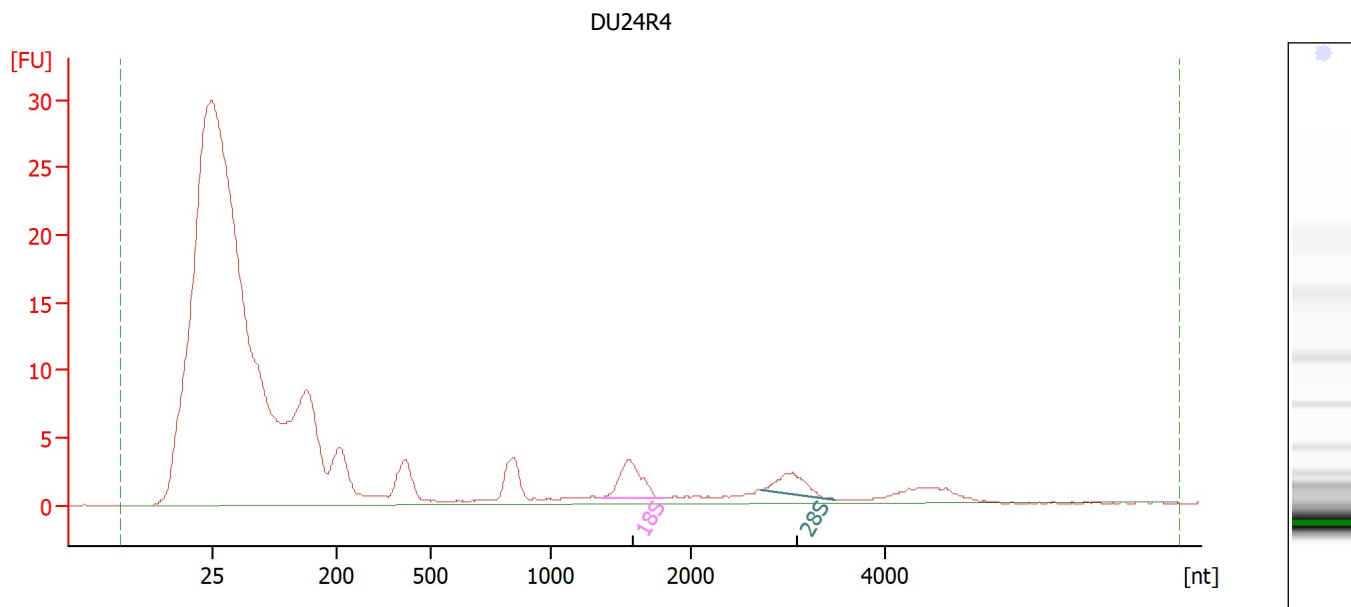
Fragment table for sample 7 : DU24R3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,811	1.7	0.4
28S	3,036	3,524	1.4	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DU24R4

RNA Area:	121.5	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	458 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 4.60

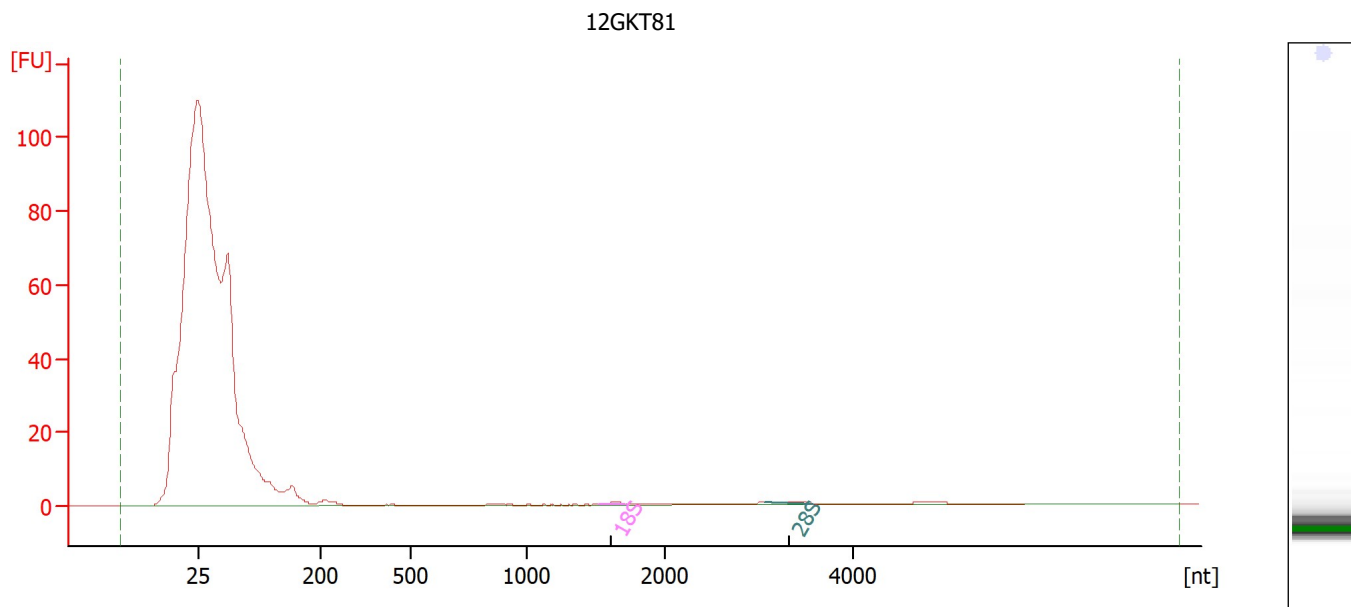
Fragment table for sample 8 : DU24R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,370	1,812	7.6	6.2
28S	2,723	3,486	4.9	4.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 12GKT81

RNA Area:	292.1	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	1,102 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 2.70

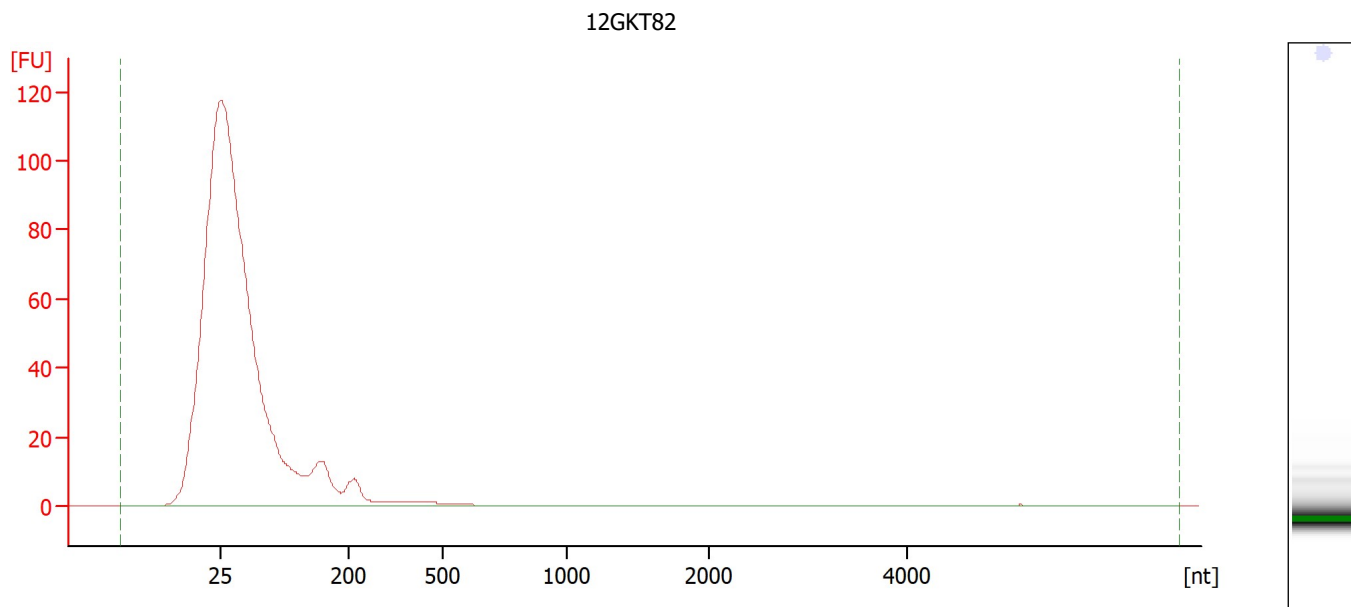
Fragment table for sample 9 : 12GKT81

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	1,707	0.6	0.2
28S	3,076	3,588	1.3	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



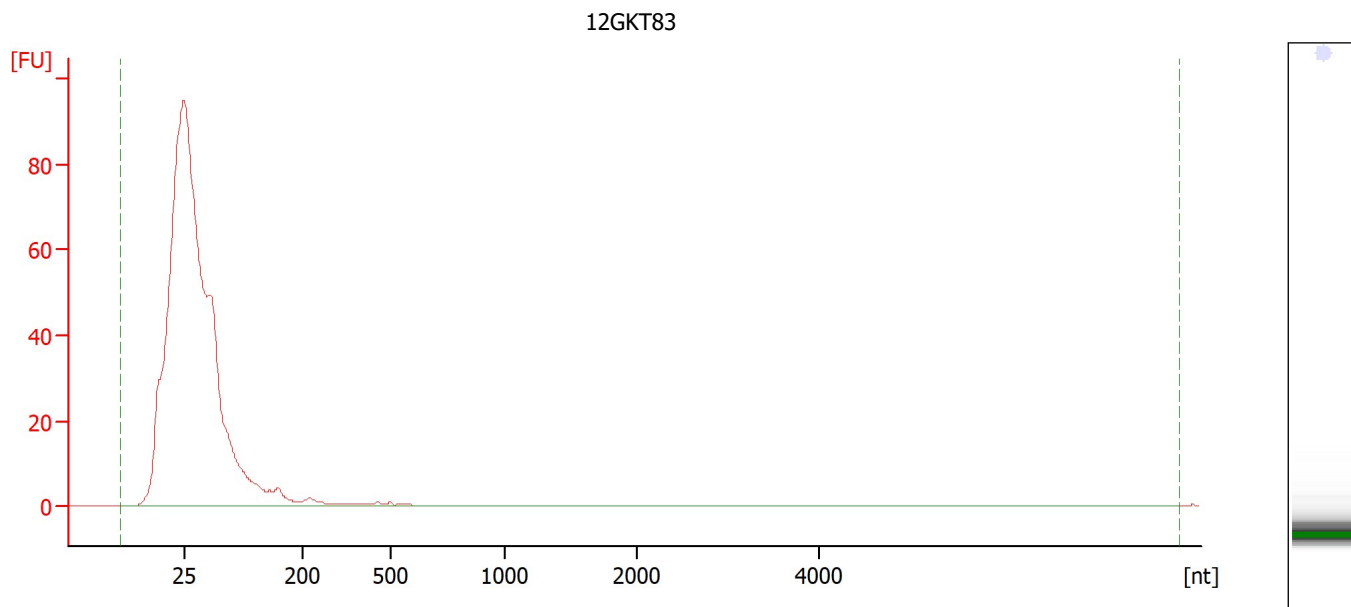
Overall Results for sample 10 : 12GKT82

RNA Area:	90.1	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	340 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Electropherogram Summary Continued ...



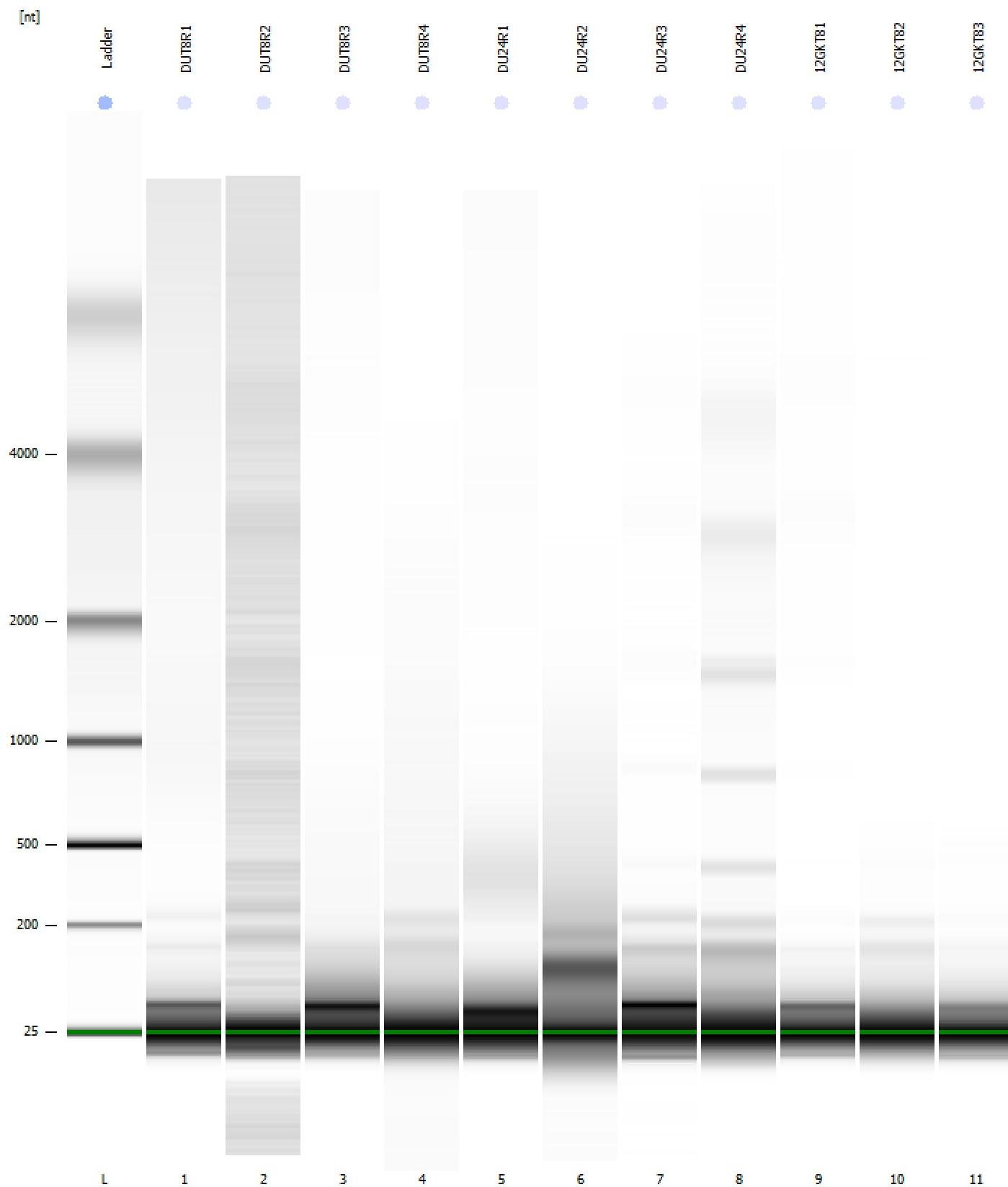
Overall Results for sample 11 : 12GKT83

RNA Area:	29.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	111 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad

Created: 8/15/2025 10:54:23 AM
Modified: 8/15/2025 11:46:53 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad
 Created: 8/15/2025 10:54:23 AM
 Modified: 8/15/2025 11:46:53 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		8/15/2025 11:17:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-08-15\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_001.xad)		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/15/2025 10:54:31 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB